

## **REMARKS**

Claims 1-63 are pending. Claims 1-55 have been allowed. A clean copy of the claims as amended herein is attached for the convenience of the Examiner.

### **I. Assignee Consent:**

The Examiner has objected to the Assignee's consent to reissue paper because the person who signed the submission failed to expressly state that he was authorized to sign on behalf of the assignee, Micron Technology, Inc. Applicant remedies this by submitting new versions of (1) a Rule 3.73(b) Statement, and (2) a "Reissue Application: Consent of Assignee" paper, which are attached.

### **II. Drawings:**

The Examiner objected to the drawings for not depicting all of the limitations of claims, and in particular was concerned that the "Schottky barrier" limitation was not illustrated in the Figures. However, in light of the amendments made to the claims, which include deletion of the "Schottky barrier" limitation, Applicant assumes the Examiner would agree that all claimed limitations are now depicted in (e.g.) Figure 7, and therefore that amendment to the Figures is unnecessary.

### **III. Written Description Rejection:**

Claims 56-63 have been rejected under 35 U.S.C. § 112, ¶ 1 for lacking a written description of the invention as claimed. Specifically, the Examiner has suggested that particular limitations in each of the claims lack support in Applicant's specification.

In response, Applicant has amended claim 56, which was specifically cited by the Examiner as having an insufficient written description. (Claims 62 and 63, also cited by the Examiner, have now been amended to depend from claim 56). So amended, claim 56 is now fully supported by the specification, as are all of the dependent claims. Indeed, most of the support can be found in Figure 7 and its supporting text (col. 3, l. 61 to col. 4, l. 53), which provides "a cross-sectional view of a cathodoluminescent element 10 in accordance with one embodiment of the invention." Citation to original USP 6,366,266, col. 3, ll. 46-48. To prove support, citations to the specification (i.e., the '266 patent) are made for claims 56-63 as amended:

56. A field emission display device comprising:
- a p-type substrate [Fig. 7; element 12] defining an upper surface;
  - a first n-type doped region [Fig. 7; element 14] formed in said p-type substrate at said upper surface of said p-type substrate;
  - a second n-type doped region [Fig. 7; element 16] spaced from said first n-type doped region and formed in said p-type substrate at said upper surface of said p-type substrate;
  - an electrically conductive metallic film [Figs. 5 and 7; element 22] formed over said upper surface of said p-type substrate and in contact with the first and second n-type doped regions;
  - an electrically conductive grid [Fig. 7; element 24];
  - an electrically conductive anode structure [Fig. 7; element 30/32]; and
  - an electron emitter [Fig. 7; element 18] conductively coupled to said first n-type doped region [Fig. 7; element 14], wherein said at least one electron emitter [Fig. 7; element 18] and said grid [Fig. 7; element 24] are displaced from said anode structure [Fig. 7; element 30/32] across a field emission region.
57. A field emission display device as claimed in claim 56 wherein said electron emitter [Fig. 7; element 18] is formed over said first n-type doped region [Fig. 7; element 14].

58. A field emission display device as claimed in claim 57 wherein said electron emitter [Fig. 7; **element 18**] is formed integrally with said first n-type doped region [Fig. 7; **element 14**].

59. A field emission display device as claimed in claim 56 wherein said electron emitter [Fig. 7; **element 14**] comprises a tip [col. 3, l. 64].

60. A field emission display device as claimed in claim 56 wherein said anode structure comprises a phosphor coated screen [col. 4, ll. 26-30].

61. A field emission display device as claimed in claim 56 wherein said metallic film is platinum silicide [col. 4, ll. 4-6].

62. A field emission display device as claimed in claim 56 wherein said metallic film and said p-type substrate comprise an infra-red-sensitive junction [col. 4, ll. 6-8].

63. A field emission display device as claimed in claim 56 further comprising a dielectric layer [Fig. 7; **element 26**] between the grid [Fig. 7; **element 24**] and the metallic film [Fig. 7; **element 22**].

In short, claims 56-63 as amended are fully supported by the specification, and fully compliant with the written description requirement of 35 U.S.C. § 112, ¶ 1.

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Based on the above remarks, Applicant respectfully submits that pending claims 1-63 are allowable, and requests that a Notice of Allowance issue for these claims.

Respectfully submitted,

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